

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 51917-CB-PCT-US/ JPW/AJM/AAB		Serial No. 10/692,439	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicants: David J. Pinsky et al.			
				Filing Date October 22, 2003		Group	

U.S. PATENT DOCUMENTS												
Examiner Initial	Document Number							Date	Name	Class	Subclass	Filing Date if Appropriate
<div style="display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-right: 5px;">↓</div> <div style="text-align: center;">MS</div> </div>	4	7	1	1	8	4	8	12/8/1987	Insley et al.	435	69.2	
	4	8	8	5	2	7	7	12/5/1989	Nawroth	514	15	
	5	1	6	9	7	8	6	12/8/1992	Carroll et al.	436	69	
	5	3	7	8	4	6	4	1/3/1995	McEver	424	143.1	
	5	4	4	3	9	6	0	8/22/1995	Dahlback	435	13	
	5	4	7	2	8	5	0	12/5/1995	Morrissey	435	13	
	5	4	9	8	6	0	1	03/12/1996	Sato et al.	514	17	
	5	6	0	2	2	3	3	2/11/1995	King	530	381	
	5	6	1	8	7	8	8	4/8/1997	Capon et al.	514	12	
	5	8	0	7	9	8	0	4/8/1997	Lasters et al.			
	5	8	3	9	4	4	3	11/24/1998	Rose et al.	128	898	
	5	9	6	2	2	6	6	10/5/1999	White et al.	435	692	
	6	3	1	5	9	9	5	11/13/2001	Pinsky et al.	424	94.63	
	6	3	1	6	4	0	3	11/13/2001	Pinsky et al.	514	2	
	MS	6	3	9	1	3	0	0	5/21/2002	Rose et al.	424	145.1

FOREIGN PATENT DOCUMENTS													
	Document Number							Date	Country	Class	Subclass	Translation	
												Yes	No
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	9	4	2	2	8	8	5	10/13/1994	WO				
	9	5	1	7	4	2	1	6/29/1995	WO				
	9	5	3	4	3	1	9	12/21/1995	WO				
	9	6	0	0	5	7	7	1/11/1996	WO				
	9	7	4	2	9	0	0	11/20/1997	WO				
	9	8	1	3	0	5	8	4/2/1998	WO				
	9	9	4	9	8	0	3	10/7/1999	WO				
	9	9	4	9	8	8	0	10/7/1999	WO				
	7	3	5	2	5	8		11/20/1997	AU				
MS	2	1	4	1	6	4	2	3/8/1995	CA				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
MS	U.S. Serial No. 09/053,872, Rose et al., Method for Inhibiting Thrombosis in a Patient Whose Blood is Subjected to Extracorporeal Circulation, filed April 1, 1998.
MS	U.S. Serial No. 10/679,135, Pinsky et al., Methods for Treating Ischemic Disorders Using Carbon Monoxide, filed October 3, 2003 (Exhibit 2)

EXAMINER /Michael Szperka/	DATE CONSIDERED 07/10/2006
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MS		International Search Report, August 29, 1997 for PCT/US97/08282.					
		International Preliminary Examination, April 20, 1998 for PCT/US97/08282.					
		Search Report October 27, 2000 from Patent Office regarding European Patent Application No. 97926541.0.					
		International Search Report, June 18, 1999 for PCT/US99/07173.					
		International Preliminary Examination, January 7, 2000 for PCT/US99/07173.					
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		International Search Report, February 5, 1998 for PCT/US97/17229.					
		Written Opinion September 14, 1998 for PCT/US97/17229.					
		International Preliminary Examination, January 8, 1999 for PCT/US97/17229.					
		International Search Report, August 4, 1999 for PCT/US99/07175.					
		Written Opinion February 3, 2000 for PCT/US99/07175.					
		International Preliminary Examination, July 11, 2000 for PCT/US99/07175.					
		Partial European Search Report, March 1, 2004 from European Patent Office on European Patent Application No. EP 97944453.6 (Exhibit 3).					
		Bajaj et al. (1992) Antibody-probed conformational transitions in the protease domain of human factor IX upon calcium binding and zymogen activation: putative high-affinity Ca(2+)-binding site in the protease domain. Proc. Natl. Acad. Sci. USA 89:152-156.					
MS		Bazan, J.F. (1996) Big Rigs in Blood Coagulation. Nature 380:21-23.					
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
MS		Benedict C.R. et al. (1991) Active Site-Blocked Factor IXa Prevents Intravascular Thrombus Formation in the Coronary Vasculature Without Inhibiting Extravascular Coagulation in a Canine Thrombosis Model. J. Clin. Invest. 88:1760-1765.					
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		Berntorp, E. (1993) Biochemical and In Vivo Properties of High Purity Factor IX Concentrates. Thrombosis and Haemostasis. 70:768-773.					
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MS		Fassbender et al. (1995) Circulating Selectin-and Immunoglobulin-Type Adhesion Molecules in Acute Ischemic Stroke. Stroke. 26:1361-1364.					
		Freedman, S.J. et al., (1995) Structure of the Metal-Free γ -Carboxy-glumatic Acid-Rich Membrane Binding Region of Factor IX Two-dimensional NMR Spectroscopy. J. Biol. Chem. 270:7980-7987.					
		Furie, B.C. and Furie, B. (1995) Biosynthesis of Factor IX: Implications for Gene Therapy. Thrombosis and Haemostasis 74:274-277.					
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MS		Kuwabara, K. et al., (1995) Calreticulin, an Antithrombotic Agent which Binds to Vitamin K-Dependent Coagulation Factors, Stimulates Endothelial Nitric Oxide Production, and Limits Thrombosis in Canine Coronary Arteries. J. Biol. Chem. 270:8179-8187.			
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V MS		Seekamp et al. (1994) Role of Selectins in Local and Remote Tissue Injury Following Ischemia and Reperfusion. Am. J. Pathol. 44:592-598.			
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MS		Weyrich et al. (1993) In Vivo Neutralization of P-selectin Protects Feline Heart Endothelium in Myocardial Ischemia and Reperfusion Injury. J. Clin. Invest. 91:2620-2629.					
MS		Wong, A.G. et al., (1995) Relative Efficacy of Active Site-Blocked Factors IXa in a Model of Venous Thrombosis. Circulation. 92:I-686(Abstract # 3293).					
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